Honeywell

Dolphin® Net Base

Four-Slot Charging/Communication Cradle for the
Dolphin® 7900 Mobile Computer
Dolphin® 9500 Mobile Computer
Dolphin® 9900 Mobile Computer

Quick Start Guide

Dolphin Net Base Quick Start Guide

Introduction

The Net Base charges up to four mobile computers and enables each one to communicate with a host device over an Ethernet network.

Use only the peripherals, power cables, and power adapters from Honeywell. Use of peripherals, cables, or power adapters not sold/manufactured by Honeywell may cause damage not covered by the warranty.

Unpacking the Net Base

Open the shipping box and inspect the package to see that the following standard items are included:

- One Dolphin Net Base Ethernet cradle
- One universal AC/DC power adapter for the Dolphin Net Base
- One power cord
- One serial extension cable

These are the items you need to set up, configure, and operate the Net Base. If any items are missing or anything appears to be damaged, contact your Customer Account Representative.

Keep the original packaging in case you need to return the Net Base for service or store the Net Base while not in use.

Software Requirements

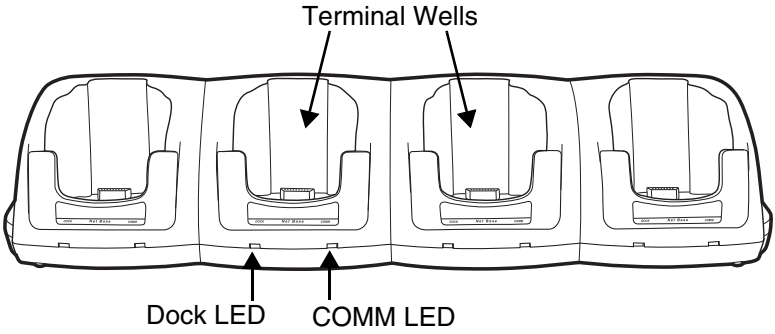
Before you connect the Dolphin terminal to the Net Base, make sure you have the most current software installed. To check this, go to **Start** > **Power Tools** > **SysInfo**.

Applications on the Dolphin Terminal

Applications running on the Dolphin terminal when it is connected to the Net Base should be designed specifically for a partially connected network. For more details, please refer to the Best Practices for Partially Connected Networks document available at www.honeywell.com/aidc.

Hardware Overview

Front Panel

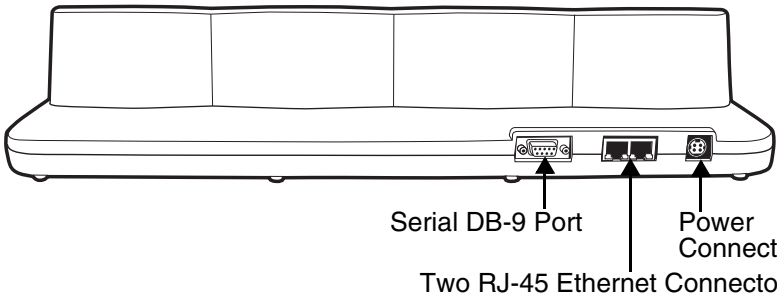


Dock LED Lights solid green when the terminal is properly seated. The terminal can communicate with the Net Base only when properly seated in the well.

COMM LED Indicates the status of data transfer between the Dolphin terminal and the Net Base.

- **Solid Green**: Indicates a USB connection.
- **Flashing Orange:** Indicates that data is being transferred.

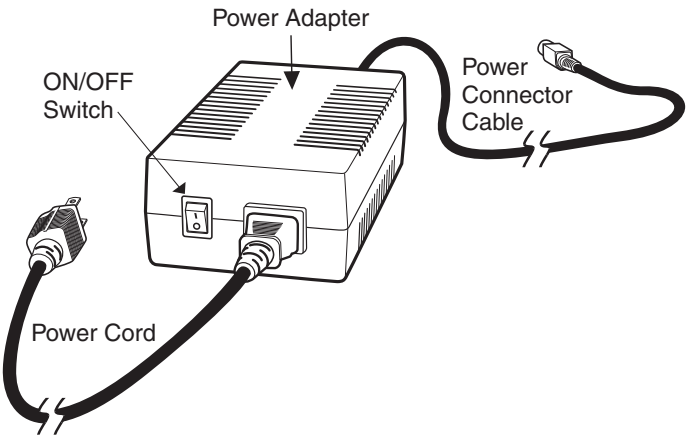
Back Panel



Bottom Panel

For details about the bottom panel, see Mounting Options, page 1-9.

Power Supply



Setting up the Net Base

1. Make sure the ON/OFF switch on the power adapter is in the OFF position.
2. Plug the power cord into the power adapter.
3. Plug the power connector cable into the power connector on the back of the Net Base.
4. Plug the power cord into a standard wall outlet.
5. Plug the CAT-5 Ethernet cable into either of the RJ-45 connectors on the back of the Net Base.
6. Plug the Ethernet cable into the network.
7. On the power adapter, turn the ON/OFF switch to the ON position.
8. The COMM LEDs on all four slots flash binary codes as the Net Base finds the DHCP server during the bootloader and kernel sequences.

Charging

Use only the Li-ion battery packs provided by Honeywell. Use of any battery not sold/manufactured by Honeywell may result in damage not covered by the warranty.

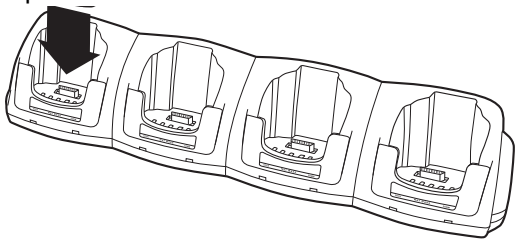
The Net Base charges the main battery of each terminal in less than four hours. The intelligent battery charging system incorporated into all Dolphin terminals prevents overcharging, which means that Dolphin terminals may be stored in the Net Base indefinitely without damage to the terminals, battery packs, or the Net Base.

1. Install the Li-ion battery pack into the back panel of the terminal.
2. Slide the Dolphin terminal into one of the terminal wells until the Dock LED lights solid green. Charging begins immediately.

Connecting the Dolphin Terminal to the Net Base

After the Net Base is installed, configured, and connected to the host computer, you must connect the Dolphin terminal to the Net Base.

1. Insert a Dolphin terminal into a terminal well.



2. On the Dolphin terminal, tap **Start** > **Power Tools** > **RASMan**. The RASMan utility initializes.
3. When the connection is established between the Dolphin terminal and the Net Base, the terminal plays a sound and the communication icon appears in the Navigation bar.
4. Upon connection, the Dolphin terminal is assigned an IP address from the Net Base, which can be used by any application on the Dolphin terminal.
5. When you exit RASMan or remove the terminal from the Net Base, the terminal plays a sound and the disconnected icon appears in the Navigation bar.

Configuring the Network

By default, the Net Base is configured to obtain IP addresses automatically via DHCP server. This means that in most cases you would simply “plug and play” the unit. If necessary, you can use the configuration utility for dynamic network configuration.

If Your DNS Server Supports Bind 8.3 or Later

1. Obtain the serial number from the label on the bottom panel of the Net Base.
2. Connect to the network.
3. Power up and wait until the COMM LEDs stop flashing. The COMM LEDs stop flashing when the Net Base has found the DHCP server.
4. On your workstation, open the web browser and enter the Net Base serial number exactly as it appears on the label.
5. Press ENTER and the online configuration utility displays on the workstation.

If Your DNS Server Does Not Support Bind 8.3 or Later

If your DNS server does not support Bind version 8.3 or later, Hyperterminal™ or an equivalent terminal emulator program must be installed on the host workstation to configure the Net Base.

1. Connect the serial cable to the Serial DB-9 Connector on the back of the Net Base and a COM port on the host computer.
2. Start Hyperterminal or an equivalent terminal emulator program. Use these settings: 115200 bps, 8,N,1.
3. Power up and wait until the COMM LEDs have stopped flashing. The COMM LEDs stop flashing when the Net Base has found the DHCP server.

4. Enter the user name <**handheld**> and default login password <**handheld**> to log into Net Base configuration utility. The Net Base menu program displays.

```
*********************************************
* Welcome to the Honeywell Net Base          *
*********************************************

SD00032Login: handheld
Password: ********

1) View System Configuration
2) View Current Values
3) Express Setup
4) Advanced Setup
5) System Statistics
6) System Diagnostics
7) Help
x) Exit

Enter choice: 2
```

5. Enter choice **2** (View Current Values) to display IP addresses.
6. Record the IP address for the Ethernet port.
7. Open the web browser on your workstation and enter the IP address for the Net Base you wrote down in Step 6.
8. Press ENTER and the online configuration utility displays on your workstation.

Configuring the Net Base with a Static IP Address

1. Connect the serial cable to the Serial DB-9 Connector on the back of the Net Base and a COM port on the host computer. Do NOT connect to the network at this time.
2. On the workstation, start Hyperterminal. Use these settings: 115200 bps, 8,N,1.
3. Wait until login prompt displays on Hyperterminal.

4. Enter the user name <**handheld**> and default login password <**handheld**> to log into network.

```
*******************************************
* Welcome to the Honeywell Net Base       *
*******************************************
SD00032Login: handheld
Password: ********

1) View System Configuration
2) View Current Values
3) Express Setup
4) Advanced Setup
5) System Statistics
6) System Diagnostics
7) Help
x) Exit

Enter choice: 3
```

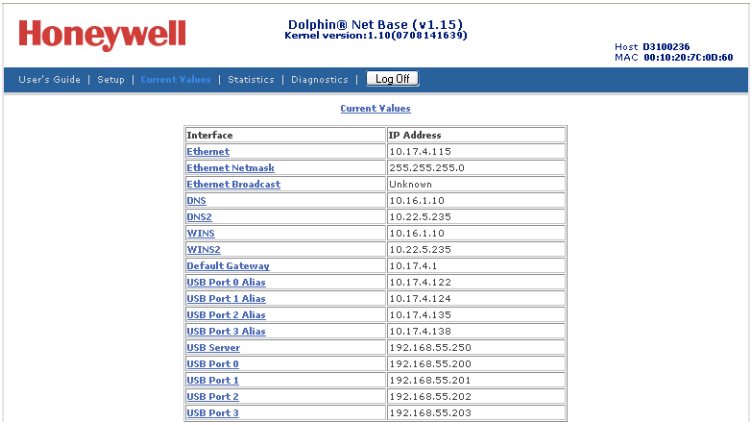
5. Enter choice **3** (Express Setup) and enter the configuration information requested at each prompt.
6. Press OFF on the power adapter and reconnect the Ethernet cable.
7. Press ON on the power adapter. The Net Base boots up using the configuration information entered in Step 5.

Accessing the Net Base Through a Browser

When the Net Base is powered on, connected to the workstation, and you have obtained its IP address, you can access the Net Base through your internet browser.

1. Open your internet browser.
2. In the **Address** line, type the IP address assigned to the Net Base and press ENTER.
3. The login screen appears showing the Current Values.
4. Enter the **Username** and **Password** and click **Log On**.

5. The home screen appears.



Link Bar

Link	Click this link to …
User's Guide	Open the online help files.
Setup	Choose IP address assignments from two options: • **Obtain all IP addresses dynamically** - Requests five IP addresses from a DHCP server: one is used for the Ethernet interface and the remaining four are assigned to each terminal slot. • **Specify IP addresses manually** - Enables you to specify IP addresses per terminal slot and change the local USB port (PPP) IP address. • **Run Spanning Tree Protocol (STP)** - Enable or disable STP. STP is enabled by default and helps eliminate redundancy in the network.
Current Values	Display the current values; this is the default screen.
Statistics	Display the following system statistics: • **Iface** - The type of interface • **Docked** - Charging status • **Connect** - Status of an active PPP session • **RX/TX Total** - Total bytes received/transmitted • **RX/TX bps** - Instantaneous bits per second • **RX/TX peak** - Peak bits per second
Diagnostics	Choose from available diagnostic options such as pinging the network host.

Mounting Options

The bottom panel offers two mounting options:

1. a DIN Rail for desk mounting or
2. a wall mount kit for wall mounting.

Both the DIN Rail and wall mount kits need to be purchased separately.

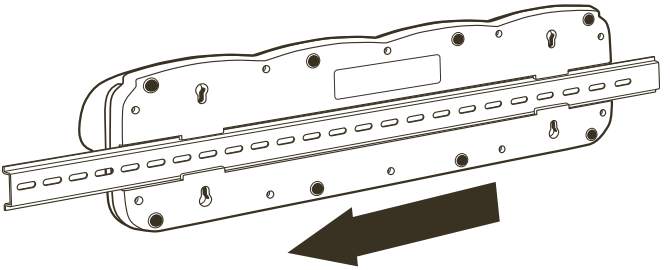
Using the DIN Rail

Use a standard 7.5mm high X 35mm wide DIN Rail to mount the Net Base to a horizontal surface, such as a desk or table.

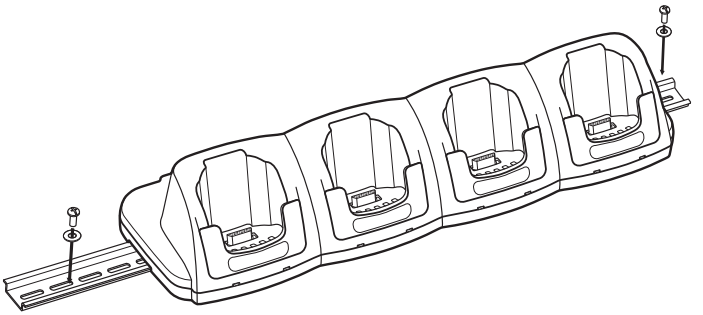
Installation Hardware

Screw: 3/16 in. dia x 5/8 in. long pan head screw
Washer: 1/2 in. OD x 7/32 in. ID x 3/64 in. thick
Nut: 3/16 in. dia

1. Slide the DIN Rail into the slot on the bottom panel.



2. Turn the Net Base and DIN Rail right side up.
3. Secure the DIN Rail to the horizontal mounting surface.



Using the Wall Mount Kit

You need to purchase **two** wall mount kits that each contain:

- a mounting bracket,
- three screws, and
- six washer/nut sets.

You need two kits so that you have two mounting brackets–one for each end of the device–and enough screws (4) and washer/nut sets (8).

The mounting bracket contains an open slot between the back and bottom wedges to accommodate the connector cables.

To Mount a ChargeBase Device

1. Attach the mounting bracket to the wall using the Recommended Hardware (see page 1-10).
2. On each end of the ChargeBase device, insert a screw into the round end of each of the four screw slots on the bottom panel. Then, slide each screw towards the narrow end of the slot until it snaps in place.
3. Use a washer/nut set on each of the four screws to secure the screw in the slot.
4. Place the ChargeBase device on the mounting bracket; match the holes up with the secured screws.
5. Use the remaining washer/nut sets on each of the four screws to secure the ChargeBase device to the mounting bracket.

Recommended Hardware

If a metal or wood stud is present, drill a 3/32 in. pilot hole into the stud and use a #6 X 1 1/2 screw and washer to attach the bracket to the wall.

For any of the screws positioned so that they are going directly into dry wall, use a sheet rock anchor/screw set such as the one listed below.

For any of the screws attaching directly into concrete, drill the appropriately sized pilot hole into the concrete and secure the bracket to the wall using concrete anchor screws such as those listed below.

Wall	Recommended Anchors
Sheet Rock	Buildex E-Z Anchor Stud Solver Medium Duty Drywall Anchor (Model #25216); supports 50 lbs., screws included

Wall	Recommended Anchors
Concrete	Buildex TAPCON concrete anchors 3/16 in. X at least 1 in.

Technical Assistance

If you need assistance installing or troubleshooting, please call your Distributor or the nearest technical support office:

North America/Canada

Telephone: (800) 782-4263
Fax number: (315) 554-6705
E-mail: *natechsupport@handheld.com*

Latin America

Telephone: (803) 835-8000
Telephone: (800) 782-4263
E-mail: *latechsupport@handheld.com*

Brazil

Telephone: +55 (21) 3535-9100
Fax: +55 (21) 3535-9105
E-mail: *brsuporte@handheld.com*

Mexico

Telephone: (803) 835-8000
E-mail: *latechsupport@handheld.com*

Europe, Middle East, and Africa

Telephone: +31 (0) 40 7999 393
Fax: +31 (0) 40 2425 672
E-mail: *eurosupport@handheld.com*

Asia Pacific

Telephone - Hong Kong:+852-3188-3485 or 2511-3050
Telephone - China: +86 21 6361 3818
E-mail: *aptechsupport@handheld.com*

Japan

Telephone: +813 5770-6312
E-mail: *aptechsupport@handheld.com*

Malaysia

Telephone: +603-6201-7020
E-mail: *aptechsupport@handheld.com*

Online Technical Assistance

You can also access technical assistance online at www.honeywell.com/aidc.

Product Service and Repair

Honeywell provides service for all its products through service centers throughout the world. To obtain warranty or non-warranty service, contact the appropriate location below to obtain a Return Material Authorization number (RMA #) before returning the product.

North America

Telephone: (800) 782-4263
Fax: (803) 835-8012
E-mail: *naservice@handheld.com*

Latin America

Telephone: (803) 835-8000
Telephone: (800) 782-4263
Fax: (239) 263-9689
E-mail: *laservice@handheld.com*

Brazil

Telephone: +55 (21) 3535-9100
Fax: +55 (21) 3535-9105
E-mail: *brservice@handheld.com*

Mexico

Telephone: +52 (55) 5203-2100
Fax: +52 (55) 5531-3672
E-mail: *mxservice@handheld.com*

Europe, Middle East, and Africa

Telephone: +31 (0) 40 2901 633
Fax: +31 (0) 40 2901 631
E-mail: *euservice@handheld.com*

Asia Pacific

Telephone: +852-2511-3050
Fax: +852-2511-3557
E-mail: *apservice@handheld.com*

Japan

Telephone: +813-5770-6312
Fax: +813-5770-6313
E-mail: *apservice@handheld.com*

Online Product Service and Repair Assistance

You can also access product service and repair assistance online at www.honeywell.com/aidc.

Limited Warranty

Honeywell International Inc. ("Honeywell") warrants its products to be free from defects in materials and workmanship and to conform to Honeywell's published specifications applicable to the products purchased at the time of shipment. This warranty does not cover any Honeywell product which is (i) improperly installed or used; (ii) damaged by accident or negligence, including failure to follow the proper maintenance, service, and cleaning schedule; or (iii) damaged as a result of (A) modification or alteration by the purchaser or other party, (B) excessive voltage or current supplied to or drawn from the interface connections, (C) static electricity or electro-static discharge, (D) operation under conditions beyond the specified operating parameters, or (E) repair or service of the product by anyone other than Honeywell or its authorized representatives.

This warranty shall extend from the time of shipment for the duration published by Honeywell for the product at the time of purchase ("Warranty Period"). Any defective product must be returned (at purchaser's expense) during the Warranty Period to Honeywell's factory or authorized service center for inspection. No product will be accepted by Honeywell without a Return Materials Authorization, which may be obtained by contacting Honeywell. In the event that the product is returned to Honeywell or its authorized service center within the Warranty Period and Honeywell determines to its satisfaction that the product is defective due to defects in materials or workmanship, Honeywell, at its sole option, will either repair or replace the product without charge, except for return shipping to Honeywell.

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All provisions of this Limited Warranty are separate and severable, which means that if any provision is held invalid and unenforceable, such determination shall not affect the validity of enforceability of the other provisions hereof.

Use of any peripherals not manufactured/sold by Honeywell may result in damage not covered by this warranty. This includes but is not limited to: cables, power supplies, power adapters, cradles, and docking stations.

Honeywell extends these warranties only to users of the products. These warranties are non-transferable.

The limited duration of the warranty for the Dolphin Net Base is one year.

How to Extend Your Warranty

Honeywell offers a variety of service plans on our hardware products. These agreements offer continued coverage for your equipment after the initial warranty expires. For more information, contact your Sales Representative, Customer Account Representative, or Product Service Marketing Manager from Honeywell, or your Authorized Reseller.

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Patents

Please refer to the product packaging for a list of patents.

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